

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
FIELD SCOPING MEETING WORKSHEET
Design Build Process

WBS No.: **17BP.11.R.97**

Field Scoping Meeting Date: **May 5, 2014**

Division: **11**

Location: **On-site**

Route (US/NC/SR): **SR1340**

County: **WATAUGA**

Project Description: **Bridge No. 940083 over NORTH FORK NEW RIVER on SR1340 (Meat Camp Road)**

Tier: **Sub-Regional**

Municipality: **No**

Attendees

	Name	Phone No.	E-mail
Division Bridge Manager	Jami Guynn	336-903-9220	jcguynn@ncdot.gov
Hydraulics Engineer	Randy Henegar	919-707-6726	rhenegar@ncdot.gov
Hydraulics Engineer	Marc Shown	919-707-6751	mshown@ncdot.gov
Hydraulics Engineer	Rusty Lassiter	919-707-6732	rlassiter@ncdot.gov
TPMU	Virginia Mabry	919-707-6604	vmabry@ncdot.gov
Bridge Management	Paul Garrett	919-707-6457	pgarrett@ncdot.gov
NCWRC	Marla Chambers	704-984-1070	Marla.chambers@ncwildlife.org

Existing Features

Feature Bridged: **940083** over **NORTH FORK NEW RIVER on SR1340 (Meat Camp Road)**
Ex. Bridge Clear Deck Width: **15.70 (Ft.)** Roadway width: **16 (Ft.)**
(Bridge / Culvert) Length: **19 (Ft.)** Deck Width (Out To Out): **17.80(Ft.)**
Water Depth: **2(Ft.)** Height Bed-To-Crown: **7(Ft.)**
Year Built: **1965** Posted: SV **99** TTST: **99**
Superstructure: **TM M-BM ;** Abutment: **TM** Pier Type: **NONE**
Temp. Shored: **No**
Historic High Water (Elev. To The Existing Structure): **(Ft)**
PRI: **55.3** DP: **0** SR: **15.9** School Bussing crossings per day: **N/A**
Posted Speed Limit Vicinity: **55 mph (statutory)**
Detour Off-Site ☐ Stage Construction ☐ New Alignment ☐ On-site ☒
If Off-Site, Description Of Detour Route: **N/A**
Approximate Length Of Detour? **N/A**
Improvements Needed To Road(s) On Detour? **N/A**
Div. Traffic Eng. Recommend Off-site detour signing? **N/A**
Improvements Needed To Bridges On Detour? **N/A**
Are Bridges On Detour Currently Programmed? **N/A**
Are There EMS Or Business Access Issues? **N/A**
Are There Any Railroad Crossings On Detour? **N/A**
Should Work Zone Pedestrian Access Be Maintained During Construction? **No**
Overhead Utility Lines In Conflict **Yes Power**
Power Transmission Lines In Conflict
Telephone In Conflict **Yes Overhead**
Cable Lines In Conflict
Fiber Optic In Conflict
Water In Conflict
Sewer In Conflict
Natural Gas In Conflict
Other In Conflict
Based On The Past History Near This Project Site, What Is The Estimated Time Required To Complete Utility Adjustments **3 Months**
Is There Any Future Utility Construction Anticipated In The Project Area **No**
Is A FEMA Buy-Out Property Being Impacted **No**

Environmental

Wetlands At Site **No**

Comments:

Endangered Species In County: **Bog turtle, Carolina northern flying squirrel, Virginia big eared bat, Spruce-fir moss spider, Blue Ridge goldenrod, Heller's blazing star, Roan mountain bluet, Spreading avens, Rock gnome lichen, Northern long-eared bat**

T&E species effect: **No**

Trout County : **Yes**

TVA County: **Yes**

CAMA County; **No**

Primary Nursery Area: **No**

Moratoria: **Yes**

Which species: **Brown & Brook Trout**

Duration : **October 15 to April 15**

Permits: **NWP #3, TVA**

Water Quality Classification: **C;Tr; ORW**

303d: **No**

Coast Guard Permit? **No**

Drainage Basin: **New**

Riparian Buffer Rules: **No**

Is The Project Site In Or Near Any Of The Following:

National Forest: **No**

Wildlife Refuge: **No**

State, County, Or Local Park: **adjacent to Elk Knob State Park boundary**

Wild And Scenic River: **No**

Airport: **No**

Recreation Of Power Generation: **No**

Water Supply Reservoir: **No**

Nutrient Sensitive Waters: **No**

Public Use Boat Ramp: **No**

Cemeteries: **NO**

Known Or Potential Historic Properties In The Area: **No**

Architecture: **No Survey Required**

Archaeology: **No survey required**

Is The Bridge Structure Itself, Or Any Part Thereof, Considered Historic: **No**

Impacts to a Church, Community Center, Or Other Public Facility? **None**

Is this a Statewide Bicycle Route or a Local Non-Marked Bicycle Route: **No**

Comments: **Paint 2-bar metal rail & guardrail.**

Coordinated with State Parks and EKSP there are no LWCF associated with this park. DBT to provide ROW plans early for coordination

Geotechnical

Are There Any Historical And/Or Vibration Sensitive Structures Near By Comments:

Are There Any Known Landfills And / Or Geo-environmental Hazard Sites At Or Within Close Proximity To The Project Site ----- Comments:

Are Any Impacts Anticipated To Natural Springs Or Artesian Wells: Comments:

Possible Foundation Type: **@ End Bents**

@ Interior

Hydraulics

FEMA Approval? **No** State Stormwater Permit? **No**
Is There Unusual Scour Potential? Is Protection Needed? **Standard**
Are Banks Stable? **Yes** Is Protection Needed? **Standard**
Appreciable Amount Of Large Debris? **No**
Placement Of Bents In The Water Be Allowed: **No** Where:

Superstructure Type: **Bridge** If Bridge: **Cored Slab** If girder; why?
Length Of Structure: **30'** Min. Number Of Spans: **1** Span Arrangement:
Waive offset: **Yes, both sides** Cap: **4'** Skewed:

Items To Be Discussed / Resolved At FSM By Attendees

Off-Site Detour ☐ Stage: ☐ New Alignment: ☐ On-site detour ☒
☐ Clear roadway width (CRW): **11'**
Temp. Signals: **Yes**
Alignment: **South (upstream)**
9' lanes with 1' offset each side
Temporary 2 -60" pipes
Onsite det. speed: 15mph
Environmental Document Prepared by DBE: Low Impact Data Spreadsheet ☐ Minimum Criteria Checklist ☒
ADT: **740 vpd (SIR/2011)** NHS: Tier: **Sub-Regional** Func. Class: **Local**
0

Bridge Min. Clear Deck Width Recommended by Div.: **Min. 30' OTO with painted 2 bar metal rail & guardrail**

Roadway lane width **_10_** ' with **_3_** ' shoulders

Extension of Paved shoulders: **N/A**

Pave to face of guardrail and taper 8:1 to travel lane/paved shoulder? **Yes**

Min. Pavement Surface Course: **2-1/2"** inches: Existing Roadway: **16, no plans to upgrade**

Pavement Marking: **Paint – extend to existing markings** Pavement markers: **None**

Will Railroad Involvement Be Required: **No** Method of Clearing: **II modified**

Truck Percentage: : **6 % per BIR;** Reasonable Safe Speed per SIR: **35** mph

Liquidated damages: will be imposed after **_90_** days of closure/construction. Amt: \$ **_500_** per day

CEI by? **NCDOT** R/W by? **DBT** R/W monuments? **DBT to provide & install Pin/Cap**

Salvageable materials: **TIMBER JOISTS**

Contact Person/number: **David Scott (828) 268-6062 (DBT to deliver)**

Deliver to: **Boone Bridge Maintenance Facility at 1989 NC Hwy 194 North, Boone NC 28607**

Removal of previous structure remnant abutments/piers: **None**

Sequencing priority in construction? **No**

Comments: **Extend pavement markings to existing markings from each end of the existing bridge. Pave a minimum of 50' with full depth paving (no milling).**

Watauga 940083



